

Abstract

The invention relates to a device and a method for stabilizing a vehicle in a situation critical to rollover, where various controller input variables (a_y , $\dot{\phi}$, P) are measured by a sensor system (2, 6), and a rollover-stabilization algorithm (4, 5) intervenes in the vehicle operation with the aid of an actuator (3, 9, 10), in order to stabilize the vehicle. In order to be able to take different loading conditions of the vehicle into account, a rollover tendency (K_1) of the vehicle is estimated from the relationship between a variable (L_w) describing the steering behavior of the vehicle and a variable (W) describing the roll behavior of the vehicle, and the rollover tendency is taken into account in rollover stabilization.

10 Fig. 3